Please cancel the present informal "SEQUENCE LISTING," pages 63-66, and insert therefor the accompanying paper copy of the Sequence Listing, page numbers 1 to 6, at the end of the application. Cancel the page numbers of the Claims and Abstract and renumber as pages 63-70, accordingly.

REMARKS

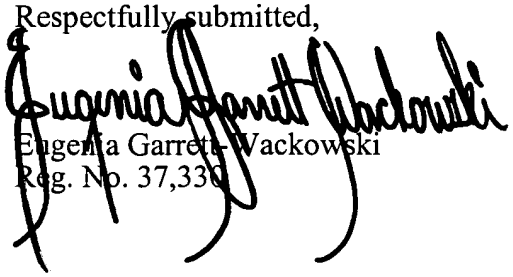
Applicants request entry of this amendment in adherence with 37 C.F.R. §§1.821 to 1.825. This amendment is accompanied by a floppy disk containing the above named sequences, SEQ ID NOS:1-7, in computer readable form, and a paper copy of the sequence information which has been printed from the floppy disk.

The information contained in the computer readable disk was prepared through the use of the software program "PatentIn" and is identical to that of the paper copy. This amendment contains no new matter.

Attached hereto is a marked-up version of the changes made to the Specification and Abstract by the current Amendment. The attached pages are captioned **"VERSION WITH MARKINGS TO SHOW CHANGES MADE."**

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,



Eugenia Garrett-Wackowski
Reg. No. 37,330

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: (415) 576-0200
Fax: (415) 576-0300
EGW:dmw

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Paragraph beginning at line 4 of page 7 has been amended as follows:

Figure 1 provides amino acid sequence for human IRAK-4 (SEQ ID NO:1).

Paragraph beginning at line 5 of page 7 has been amended as follows:

Figure 2 provides nucleotide sequence for the human IRAK-4 cDNA (SEQ ID NO:2).

Paragraph beginning at line 7 of page 7 has been amended as follows:

Figure 4 provides nucleotide sequence for the murine IRAK-4 cDNA (SEQ ID NO:4).

Paragraph beginning at line 7 of page 31 has been amended as follows:

The particular expression vector used to transport the genetic information into the cell is not particularly critical. Any of the conventional vectors used for expression in eukaryotic or prokaryotic cells may be used. Standard bacterial expression vectors include plasmids such as pBR322 based plasmids, pSKF, pET23D, and fusion expression systems such as GST and LacZ. Epitope tags can also be added to recombinant proteins to provide convenient methods of isolation, *e.g.*, c-myc, HA-tag, 6-His tag, maltose binding protein, VSV-G tag, anti-DYKDDDDK (SEQ ID NO:7) tag, or any such tag, a large number of which are well known to those of skill in the art.